

# Daniel E Olivares

## List of Publications by Year in descending order

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30  
papers

4,177  
citations

471509

17  
h-index

552781

26  
g-index

30  
all docs

30  
docs citations

30  
times ranked

4174  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Frequency-Constrained Energy Management System for Isolated Microgrids. IEEE Transactions on Smart Grid, 2022, 13, 3394-3407.   | 9.0  | 10        |
| 2  | An Energy Management System With Short-Term Fluctuation Reserves and Battery Degradation for Isolated Microgrids. IEEE Transactions on Smart Grid, 2021, 12, 4668-4680.   | 9.0  | 16        |
| 3  | The impact of short-term pricing on flexible generation investments in electricity markets. Energy Economics, 2021, 98, 105213.   | 12.1 | 2         |
| 4  | A low-complexity decision model for home energy management systems. Applied Energy, 2021, 294, 116985.  | 10.1 | 12        |
| 5  | The value of aggregators in local electricity markets: A game theory based comparative analysis. Sustainable Energy, Grids and Networks, 2021, 27, 100498.  | 3.9  | 9         |
| 6  | A robust decision-support method based on optimization and simulation for wildfire resilience in highly renewable power systems. European Journal of Operational Research, 2021, 294, 723-733.                  | 5.7  | 12        |
| 7  | Optimization-based analysis of decarbonization pathways and flexibility requirements in highly renewable power systems. Energy, 2021, 234, 121242.  | 8.8  | 31        |
| 8  | Distributed Control Strategy Based on a Consensus Algorithm and on the Conservative Power Theory for Imbalance and Harmonic Sharing in 4-Wire Microgrids. IEEE Transactions on Smart Grid, 2020, 11, 1604-1619. | 9.0  | 46        |
| 9  | Management of EV charging stations under advance reservations schemes in electricity markets. Sustainable Energy, Grids and Networks, 2020, 24, 100388.   | 3.9  | 6         |
| 10 | Firewood heat electrification impacts in the Chilean power system. Energy Policy, 2020, 144, 111702.  | 8.8  | 5         |
| 11 | Challenges in the Management of Hydroelectric Generation in Power System Operations. Current Sustainable/Renewable Energy Reports, 2020, 7, 94-99.  | 2.6  | 4         |
| 12 | Robust Energy Management of Isolated Microgrids. IEEE Systems Journal, 2019, 13, 680-691.   | 4.6  | 63        |
| 13 | The evolution over time of Distributed Energy Resourceâ€™s penetration: A robust framework to assess the future impact of prosumage under different tariff designs. Applied Energy, 2019, 256, 113903.          | 10.1 | 17        |
| 14 | An Adaptive Robust Optimization Model for Power Systems Planning With Operational Uncertainty. IEEE Transactions on Power Systems, 2019, 34, 4606-4616.   | 6.5  | 61        |
| 15 | A Novel Distributed Control Strategy for Optimal Dispatch of Isolated Microgrids Considering Congestion. IEEE Transactions on Smart Grid, 2019, 10, 6595-6606.  | 9.0  | 47        |
| 16 | Economic Dispatch by Secondary Distributed Control in Microgrids. , 2019, , .   |      | 9         |
| 17 | The impact of concentrated solar power in electric power systems: A Chilean case study. Applied Energy, 2019, 235, 258-283.   | 10.1 | 33        |
| 18 | Portfolio Design of a Demand Response Aggregator With Satisficing Consumers. IEEE Transactions on Smart Grid, 2019, 10, 2475-2484.  | 9.0  | 32        |

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 19 | An Optimization-Based Analysis of Decarbonization Pathways and Flexibility Requirements in the Chilean Electric Power System. , 2019, , .                                  |      | 1         |
| 20 | Participation of Demand Response Aggregators in Electricity Markets: Optimal Portfolio Management. IEEE Transactions on Smart Grid, 2018, 9, 4861-4871.                    | 9.0  | 100       |
| 21 | Real-Time Charging Strategies for an Electric Vehicle Aggregator to Provide Ancillary Services. IEEE Transactions on Smart Grid, 2018, 9, 5141-5151.                       | 9.0  | 104       |
| 22 | A comprehensive review on expansion planning: Models and tools for energy policy analysis. Renewable and Sustainable Energy Reviews, 2018, 98, 346-360.                    | 16.4 | 108       |
| 23 | Expansion planning under uncertainty for hydrothermal systems with variable resources. International Journal of Electrical Power and Energy Systems, 2018, 103, 644-651.   | 5.5  | 25        |
| 24 | Managing load contract restrictions with online learning. , 2017, , .  |      | 0         |
| 25 | Fuzzy Prediction Interval Models for Forecasting Renewable Resources and Loads in Microgrids. IEEE Transactions on Smart Grid, 2015, 6, 548-556.                           | 9.0  | 172       |
| 26 | Stochastic-Predictive Energy Management System for Isolated Microgrids. IEEE Transactions on Smart Grid, 2015, 6, 2681-2693.   | 9.0  | 130       |
| 27 | Stability Analysis of Unbalanced Distribution Systems With Synchronous Machine and DFIG Based Distributed Generators. IEEE Transactions on Smart Grid, 2014, 5, 2326-2338. | 9.0  | 83        |
| 28 | A Centralized Energy Management System for Isolated Microgrids. IEEE Transactions on Smart Grid, 2014, 5, 1864-1875.   | 9.0  | 571       |
| 29 | Trends in Microgrid Control. IEEE Transactions on Smart Grid, 2014, 5, 1905-1919.  | 9.0  | 2,316     |
| 30 | A centralized optimal energy management system for microgrids. , 2011, , .   |      | 152       |